

University of Maryland at College Park OUTLOOK

November 20, 1989

Graduate School Through Goldhaber's Eyes

As interim dean of the Office of Graduate Studies and Research since January 1987, Jack Goldhaber has created the Office of Minority Affairs, improved graduate student recruitment, attracted more funding for the graduate program, and significantly increased the number of fellowships for College Park graduate students, especially black graduate students.

Recently, editor of Outlook, Roz Hiebert, interviewed the interim dean and professor of mathematics who chaired the department from 1968-1977 and created the "Special Year" in mathematics program that has received national attention.

Q. What changes have taken place in the graduate school during your tenure as dean?

A. The newest is creating the Office of Graduate Minority Affairs. Increasing the number of minority graduate students has been our highest priority.

Q. Has minority graduate enrollment increased?

A. Dramatically. There has been a 40 percent increase in the number of full-time black graduate students from Fall '88 to Fall '89. However, one should remember that filling the pipeline is not good enough. You have to see that students *come out of* the pipeline at the other end, that they graduate and get their degrees. We make money available to departments to see that this happens.

Q. What are some other priorities?

A. The Fellowship Program is another high priority. As of last year, we had 180 graduate school fellows. This year we had 220 graduate fellowships. If the enhancement plan goes through, we will end up with another 50, for a total of about 270. In a second pool we have money for a variety of financial support programs for blacks, including funds for approximately 200 scholarships and fellowships.

Q. What were some of your other goals when you became dean?

A. It was extremely difficult to get approval from Central Administration for the establishment of a technology liaison office. But the office was established, and in the three years of its existence it has brought in more money from licensing and patents than in the entire previous history of the campus—and no state money went into its support.

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John Toll Named New URA President

The Universities Research Association, Inc. (URA) has chosen UM Chancellor Emeritus John S. Toll as URA's next president, effective December 1. Toll, will also continue to be a professor of physics at College Park, dividing his time between the campus and the consortium's headquarters in Washington, D.C.

URA is a non-profit corporation that consists of 72 major research universities with graduate programs in particle physics. Founded in 1965 to design the National Accelerator Laboratory, now known as Fermilab, URA was also selected to build and operate the laboratory. URA also has the contract to design, build and operate the Superconducting Super Collider (SSC) which, when completed, will be the largest and most energetic particle accelerator in the world. It will be built in Texas.

Toll received his undergraduate degree at Yale University and his master's and doctoral degrees in physics from Princeton University. He then served as Associate Director of Project Matterhorn at Princeton University. In 1953 he became Chairman of the University of



John Toll

Maryland Department of Physics and Astronomy prior to being named President of the State University of New York at Stony Brook in 1965. In 1978, Toll returned to the University of Maryland as President and was named the first

Chancellor of the newly reorganized 11-campus University of Maryland System in July 1988.

Toll's contributions to national education policy include serving on the University Programs Panel of Energy Research Advisory Board (U.S. Department of Energy) in 1982-83 and acting as Chairman of the Advisory Council of Presidents of the Association of Governing Boards in 1983-84.

He has been actively involved in federal science advisory activities throughout his career, including terms as Chairman of the Federation of American Scientists and chairman of panels for the National Science Foundation, the National Aeronautics and Space Administration, the Congressional Office of Technology Assessment, and Princeton's Plasma Physics Laboratory.

He has been a John Simon Guggenheim Fellow and received a Sigma Xi Scientific Achievement Award. He has served also as Visiting Professor at the Nordic Institute for Theoretical Physics

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Architect's Design Wins National Competition for Women-in-Military-Service Memorial



Marion Weiss

A design scheme conceived by Marion Weiss, assistant professor of architecture, is the winner of the national architectural competition for a \$25 million Women in Military Service Memorial.

The design, developed by Weiss and New York architect Michael Manfredi, was selected November 8 as the top entry by a jury for Women in Military Ser-

vice Memorial Foundation. The privately funded memorial, authorized by Congress in 1986, will be built on a four-acre site at the entrance of Arlington National Cemetery and will feature a monument honoring the nearly two million women who have served in the U.S. military.

Weiss conceived the design's central element, ten 39-foot high pylons of glass that will rise in an arc from the Hemicycle, a curved stone wall currently on the site. At night, lights will illuminate the pylons. Stairways that pass through the existing wall will lead to the terrace overlooking Arlington Cemetery and monumental Washington.

Nine chapels will feature a timeline showing the contributions made by women in each of the wars in which they served. The tenth chapel will be dedicated to peace.

Weiss and Manfredi see the glass pylons as "commemorating the role of women who have served in the military and symbolizing their collective contribution." The stairways are intended to "symbolize the passage of women through the barriers that have existed for them in their service in the military," the architects say.

In addition to its decorative features, the four-acre site will include an educational center to house a computer archive of women's service records and an auditorium for multimedia presentations. The complex will encompass the existing ceremonial gateway and the semi-circular Hemicycle designed by McKim, Mead and White in 1927.

The Weiss-Manfredi design places the educational and cultural center underground, beneath the chapels. Although underground, it would receive natural light through glass block floors in each chapel.

In making the award, the competition jury noted that the glass pylons present "the potential for a compelling image and praised the design for its "series of choices that offer a rich experience of the memorial."

The jury also noted that the glass pylons "were felt to express the 21st century nature of this completion to the [Hemicycle]."

A graduate of the Yale School of Architecture, Weiss is in her second year on the College Park faculty. ■

—Brian Busek

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Maryland's Grain Industry Honors Kenworthy

William Kenworthy, associate professor of agronomy, recently received the "Man of the Year" award from the Maryland Grain Producers Association. Kenworthy was honored for his research on soybeans. He has investigated insect- and disease-resistant varieties, studied the effects of different cultural practices on double-crop soybeans, and helped develop numerous superior soybean varieties for growers in this region. Says Ken Aycock, chair of the Department of Agronomy, "We are very proud of Dr. Kenworthy's accomplishments in the area of soybean genetics and breeding and delighted that he was recognized by MGPA."

Society of Physics Students Honors College Park Chapter

The University of Maryland at College Park Chapter of the Society of Physics Students recently was designated as an Outstanding SPS Chapter for 1989-1990. College Park was one of only 27 of the 562 SPS chapters to be recognized this year. The outstanding chapters were selected based on several criteria including outstanding chapter projects; guest lectures and tours; regular meetings, speakers and social events; and student papers presented at SPS or other scientific meetings. Ellen Williams, associate professor of physics, is the chapter's faculty sponsor.

RESEARCH HIGHLIGHTS

Reaka-Kudla Has Missing Piece of the Global Warming Puzzle



Marjorie Reaka-Kudla

When scientists predict global warming trends for the next 100 years they take many factors into account, including deforestation rates and emissions from automobiles and power plants. But according to Marjorie Reaka-Kudla, scientists have overlooked an important piece of the global warming puzzle—coral reefs.

An associate professor of zoology, Reaka-Kudla says that coral reefs should

be included in global warming predictions because corals and their symbiotic algae both use carbon dioxide for photosynthesis. Carbon dioxide in the earth's atmosphere traps heat and warms our planet.

In addition, and perhaps most importantly, corals take carbon out of the water to form the framework of the reef,

which can hold this carbon for centuries. Carbon in the oceans ultimately comes from the atmosphere.

"The world's coral reefs fix between 0.7 and 1.5 gigatons (one gigaton = one billion tons) of carbon a year," says Reaka-Kudla. "When you consider that reforestation programs would fix about 1 gigaton of carbon a year and that the amount of excess carbon added annually to the atmosphere is 3 gigatons, coral reefs are very significant."

Reaka-Kudla first became interested in the relationship between coral reefs and global warming through her work on the ecology and evolution of bioeroders.

Bioeroders are tiny worms, sponges, crustaceans, urchins and a wide variety of other small animals that bore into coral reefs. Like the fires that help a forest rejuvenate itself, bioeroders break down dead coral that ideally would be replaced at a comparable rate by new coral. The holes they provide have allowed highly diversified species to evolve on the reefs.

Reaka-Kudla is concerned because in certain parts of the world, coral reefs are dying, or bleaching, at an alarming rate.

"When corals bleach, they lose their algae," she explains. "They bleach when they are stressed by increased water temperature or other factors such as increased ultraviolet radiation."

Reaka-Kudla has been engaged in several long-term field experiments on bioerosion, including studies following Caribbean-wide bleaching in 1987-88 and the 1982-1983 El Niño in the East Pacific.

Her research in the Galapagos Islands and Costa Rica, where the reefs suffered greatly from warm waters associated with the El Niño, indicates that bioerosion has increased and could soon

eliminate these reefs. Temperature increases during the El Niño paralleled the expected temperature increases in tropical seas during the next century due to global warming.

The effect this situation might have on the global climate could be significant, Reaka-Kudla explains. Not only would less carbon be fixed because of the loss of coral reefs, but more carbon would be released into the oceans and ultimately the atmosphere by the boring of the bioeroders.

And because warming temperatures and sea level rise will stress coral, more coral would be vulnerable to bioeroders.

"If coral calcification is reduced by bleaching and high mortality while bioerosion is accelerated," says Reaka-Kudla, "reefs would suffer a net loss of up to 2.7 to 3.1 gigatons of carbon per year compared to their current levels."

Reaka-Kudla plans further experiments to determine how bioeroders and their host corals respond to such environmental stresses as temperature change, reduced food levels and higher UV radiation. Her results will be incorporated into a model of the relationship between coral reefs and global climate change.

"If we see warming on a global scale similar to what we saw with the El Niño, much of the world's coral reefs would be devastated," Reaka-Kudla says. "We can't ignore it."

—Jan Barkley

New Process Slows Wear and Tear to Army Tank Treads

Researchers at the campus Radiation and Polymer Science Laboratory have developed wear-resistant rubber pads that will be used to prolong the life of military tank treads.

The process, which also increases the rubber's resistance to aging, was invented by professor of chemical and nuclear engineering Joseph Silverman, the lab's director.

Associate director of the lab Walter Chappas notes that existing pads,—which stabilize the tanks, protect roads and soften the ride,—wear out quickly under the weight of the 70-ton armored vehicles. "It's costing about \$15 a mile for tank pads alone. It exceeds gasoline costs. It's the most expensive component to running a tank. We're talking more than \$100 million a year for tank pads," he says.

Road tests of the newly developed pads at the Army Proving Ground near Yuma, Ariz., have shown a 60 percent improvement in wear, Chappas says.

The university has obtained a patent for the rubber-making process and is working with two engineering firms interested in commercializing the material.

National Satellite Course on User Interface Strategies Set for December

"User Interface Strategies '90," a televised one-day course that will be distributed nationally via satellite, has been organized by computer science professor Ben Shneiderman. The course will be offered through the facilities of the campus' Instructional Television System.

Four nationally-recognized leaders in the field will offer their perspectives on why the user interface is a central focus for expanding the application of computers.

The lectures will begin at 11 a.m., Thursday, December 7, with Shneiderman's discussion of "Breakthroughs in User Interface Design." He is head of the Human-Computer Interaction Laboratory and a member of the Institute of Advanced Computer Studies at College Park.

At 12:30 p.m., Aaron Marcus, an authority on the design of computer graphics for charts, forms, documents, icons, and screens, will discuss "Graphic

Design and the Ten Commandments of Color." Marcus recently co-authored the book, *Human Factors and Typography for More Readable Programs*.

John M. Carroll, manager of User Interface Theory and Design at the IBM Watson Research Center, will discuss "The Nurnberg Funnel: Minimalist Instruction for Computer Skill," the topic of his recent book, at 1:35 p.m.

At 3 p.m., S. Joy Mountford, manager of the Human Interface Group at Apple Computer, Inc., will discuss "Navigation of Multi-Media Data." She and her research group have been involved with such products as the new Macintosh Finder, color uses, and information filters.

The lectures, which will feature demonstrations, new software tools, guiding principles, emerging theories and future scenarios, will be followed by a discussion beginning at 4:05 p.m.

For additional details, call 454-8955.

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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China Specialist to Speak

American diplomat and China specialist Arthur W. Hummel Jr. will speak on "Dealing with China in Transition: Notes on a Recent Trip to China" at 4:15 p.m., Tuesday, December 5 in the Adult Education Center Auditorium. Serving as U.S. Ambassador to the People's Republic of China from 1981 to 1985, Hummel was the second person to hold that post following the re-establishment of diplomatic relations with the PRC in 1979. Born and raised in China, Hummel was interned by the Japanese in 1941, escaped in 1944 and joined a Chinese guerrilla unit until VJ Day in 1945. He joined the U.S. State Department in 1950 and has held numerous diplomatic posts throughout the world. The lecture is sponsored by the UMCP China Committee.

Workshop Will Teach Multicultural Human Relations Skills

The Office of Human Relations is offering a workshop on how to improve morale, motivation and productivity through team-building in a diverse workplace on Tuesday, Dec. 5 from 9 a.m. to 12 noon in the Prince George's Room of Stamp Union. Presented by Richard Solomon of the National Institute for Relationship Training, Inc., the workshop will teach participants specific and practical teambuilding strategies. The cost is \$20. Call 454-4124/4707 for information.

An Interview with the Graduate Dean



Jack Goldhaber

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However, the office is funded through a four or five year contract with University Technology Corp. (UTC), and it's not clear that this UTC support will continue. I believe we must shift resources to start to support this office with state funds. In this case, the campus has to make an important decision—do we want to continue the office or do we want to be unique among universities and do without such an asset, thereby suffering a loss of resources and service to the faculty?

Q. Do you have other high priorities?

A. Yes. To modernize is another. I'll tell you a little story. When I first came here, a major problem was posed to me, namely, should we service the mimeograph machine that was up in the attic? That was just three or four years ago. If you go around the office today, you'll see personal computers. That was one of my goals. I wanted to modernize and this goal meshed very nicely with campus goals. We had a two or three year modernization program planned, but with additional resources, we did it in one year.

Q. Are you satisfied?

A. Nowhere near. We have a long way to go.

Q. What about attracting more graduate students.

A. Let me make a general statement. Additional funding for the graduate program is included in the enhancement plan. We hope it will be realized, but this plan is for the future. You may lay the groundwork now but the real effects are 10 and 15 years away, not tomorrow. However, several problems must be handled today, so that the enhancement plan can really be effective. Many of these problems can be handled at the departmental level. But I am a little disturbed; I don't feel departments pay enough attention to problems facing us now that are really not tied to enhancement.

For instance, increasing the number of quality graduate students is a critical issue. Let me mention one very simple way recruitment tool. We started a program a few years ago with Undergraduate Studies. In each academic year we meet once with seniors and once with juniors who have a sufficient-

ly high GPA average. We tell them about graduate school and encourage them to apply.

However, what we can tell them is nowhere near what can be done by individual departments. I put the blame not on the faculty, but on the department chairs and deans for not putting the firecracker in the appropriate places to get every department to meet with qualified undergraduates, let them know their options, and encourage them to apply for the numerous graduate fellowships that are available.

When I see lists of fellowship winners from this agency or that foundation and I don't find a single UMCP student on the list, I say to myself, "Our students are better than that, but they haven't been applying." The blame goes down to the departmental level where students should be encouraged to apply.

Q. What can faculty do to encourage their best students to go to graduate school?

A. Just talk with each qualified student on a one-to-one basis and suggest that he or she apply to graduate school. As a faculty member, I myself would know what fellowships are available. I would discuss the options available and suggest to the student that he or she is good enough to get one. That's what faculty could be doing. And students shouldn't be encouraged to apply only to UMCP. There is a nationwide problem with a decrease in the number of graduate students, and it's important for us as a society to encourage more young people to go to graduate school.

Let me make this observation. I think the faculty on this campus are really overworked and most often don't think in terms of encouraging their students to apply to graduate school. Someone must remind them. I think it should be the chair. Chairs can bring the really top notch students together. They can hold informal sessions, invite students to lunch or to attend a special lecture and help them make intelligent decisions about whether to continue their education.

Q. What if they don't do these things?

A. If an effort is made, that's fine. But if an effort is not made, then the question is, "Did the chair try to organize these things and was the faculty recalcitrant?" I would doubt that.

Q. How does a dean check up on these activities?

A. A dean can say, "Please invite me to your events." If an invitation is never extended, then the dean knows that nothing is going on, and when it comes to merit money, that fact can be remembered.

Q. What else could be done?

A. There should be a graduate student recruitment program in each department. It need not be very expensive. For instance, many of our faculty are invited to present colloquia at other institutions. When that faculty member speaks, a graduate student or even a top notch senior could go along and meet with

good students at the other university to tell them about College Park programs.

Q. Would you help fund this kind of initiative?

A. Absolutely. But let me suggest another recruitment idea. On this campus we have many people who are editors of prestigious journals. Suppose an editor here were to call a colleague at another university and say, "We're interested in attracting outstanding students. Do you have any undergraduates who might be interested in College Park? Please have them apply." All it takes is one personal telephone call.

Q. Has our applicant pool increased?

A. Yes, substantially. Applications have increased approximately 10 percent in '89 over '88. But the enrollment increase was only 2 percent. I don't know why. However, over the last several years there's been a decrease in graduate enrollment nationwide. College Park hasn't had the big increments we had some years ago, but we've continued to have increments. And as potential students realize that many of our graduate programs are of exceptional quality, we expect both the numbers of quality applicants and the yield to increase.

Q. What about the importance of our geographical location?

A. The fact that we're sandwiched between Baltimore, Annapolis and Washington is very important. We are surrounded by outstanding intellectual resources, but in this respect, I have another criticism. There is so much available in Washington and Baltimore that faculty have the tendency to spend time away from the campus—to go to the Library of Congress, the Freer, the Folger or to Baltimore. How about chairs encouraging their faculty to invite some of the scholars, public officials or other colleagues we meet in those places onto the campus? We don't do this often.

Some years ago I heard a story that when Senator Fulbright was invited to College Park, he didn't know where it was. That's a very sad commentary. How many times have chairs asked the faculty to pick up a phone and invite a distinguished visitor from Washington or Baltimore to lunch or to hear and meet a special speaker at one of our many fine symposia or lectures that DRIF money supports?

Q. What is Designated Research Initiative Funds (DRIF) money and why is it important?

A. It is money essentially generated by the campus through its outside contracts and grants. The impact that it has had is immeasurable. If we did not have DRIF money, we would never be talking about College Park as the flagship campus. We could not do much of the research that is now going on, have obtained much of the research equipment, or recruited many of the outstanding faculty we've attracted in recent years. Without DRIF we could not have changed—and I believe we have changed—the intellectual ambience on

campus.

Q. How much are we getting back from the state in DRIF funds currently?

A. Between \$6-7 million. It is divided into several pots. There's a departmental pool of about 33 percent, a college pool of 24 percent, a pool for the vice president or provost of 24 percent; a pool for the Graduate School of 17 percent, and a pool for Undergraduate Studies and the Libraries of 1 percent for each.

Q. I understand you are interested in our setting up our own research foundation?

A. This is my personal opinion. If the state would agree, we could set up our own research foundation, not for endowment but as a straight research foundation. Our contracts and grants could go through that foundation, with monies for overhead and indirect costs totally residing in it.

Q. Does any other university do that?

A. Yes. It's a thought I have been throwing out, simply to start talking about the concept informally.

Q. What changes in the structure of the graduate program would you like to see?

A. Many activities take place in the Office of Graduate Studies and Research—setting academic policies, admissions, record keeping, contracts and grants, research administration, etc. Perhaps we should look at some of these to see if they could be run more efficiently outside of the graduate school. Let's just take one of these, research administration. A tremendous amount of research administration is going on in each college. About \$84 million worth of grant money is going through contracts and grants and more through the UM Foundation. Perhaps it would be more effective if there were a separate structure for research administration. The same might be said for graduate minority affairs and some other activities.

Q. What about the search for a permanent dean?

A. The provost is in the process of forming a search committee. I feel very strongly that with any administrative job, you need fresh blood from time to time. I'm not unhappy with what I've done here. I think some good things have happened, but one needs a fresh look, and I believe it's time for that.

I consider myself a faculty person, and as a faculty member, I know that the development of a great university depends in large measure on the aspirations and efforts of its faculty. It is the energy of the faculty that fuels a university. My temple is the university, not necessarily UMCP, but any university. If we really want this to be a place that grows in quality and stature and contributes to the fabric of human society on planet Earth, we have to work at it. It's not for our lifetime. It's for the lifetime of those who follow us. ■

Calendar

November 20 to December 5



Black poet Phillis Wheatley is the subject of the Graduate School Distinguished Lecture on Nov. 21.

20 MON

Art Exhibitions: "Picturing America: Art as Expression and Education, 1920-1945" and "The Andy Warhol Athlete Portraits," selections from the permanent collection, through Nov. 22, The Art Gallery, Art/Sociology Bldg. Call x2763 for info.

Architecture Exhibit, featuring architectural photographs by Steve Rosenthal, through December 20, Architecture Gallery. Call x3427 for info.

Men's Basketball: Argentine National Team, exhibition, 7:30 p.m., Cole Field House. Call x2123 for info.*

University of Maryland Bands Showcase, featuring the Concert Band, Symphonic Wind Ensemble, Jazz Ensemble and Marching Band, John Wakefield & George Ross, conductors, 7:30 p.m., Tawes Theatre, \$5 and \$3. Call x2201 for info.*

Crossroads in Film Series: *Sugar Cane Alley*, by Euzhan Palcy, 8 p.m., Hoff Theater. Call x5351 for info.

21 TUE

Graduate School Distinguished Lecture: "Origins of Black Women's Poetry: Phillis Wheatley, 1753-1784," June Jordan, SUNY-Stony Brook, 3:30 p.m., 0204 School of Architecture Auditorium. Call x2843 for info.

Jewish Student Union and SEE Lecture, featuring Simon Wiesenthal, 7:30 p.m., Tawes Theatre, \$16 and \$7.50, \$60 for two people for reception with Wiesenthal, 6-7 p.m., Prince George's Room, Stamp Union. Call x4546 or x3593 for info.

Thanksgiving recess, through Nov. 26.

25 SAT

Men's Basketball: Maryland vs. Delaware State, 2 p.m., Cole Field House. Call x2123 for info.*

27 MON

Graduate School Distinguished Lecture: "Origins of Chaos," Leo Kadanoff, U. of Chicago, 3:30 p.m., 2203 Art/Soc. Auditorium. Call x2843 for info.

CHPS Seminar: "Einstein: A Reassessment," Arthur Fine, Northwestern U., time and place TBA. Call x2850 for info.

Computer Science Colloquium: "Computer Science and the Manufacturing Challenge," Jay M. Tenenbaum, Stanford U. and Schlumberger Technologies, 4 p.m., 0111 Classroom Bldg. Call x4244 for info.

Space Science Seminar: "Radio Wave Observations at Neptune, and Neptune Encounter Update," William Farrell, Goddard Space Flight Center, and Andrew F. Cheng, Johns Hopkins U., 4:30 p.m., 1113 Computer & Space Sciences Bldg. Call x3136 for info.

Men's Basketball: Maryland vs. Augusta College, 7:30 p.m., Cole Field House. Call x2123 for info.*

Crossroads in Film Series: *West Indies*, by Med Hondo, 8 p.m., Hoff Theater. Call x5351 for info.

28 TUE

Entomology Seminar: "Mycoplasmas and Spiroplasmas: Pathogens of Insects and Plants," Robert E. Davis, USDA, noon, 2300 Symons Hall. Call x6733 for info.

Physics Colloquium: "Convective Turbulence: An Experiment and a Little Theory," Leo Kadanoff, U. of Chicago, 4 p.m., 1410 Physics Bldg. Call x3512 for info.

Feminism Seminar: "Power and Gender in Musical Performance," Carol Robertson, 8 p.m., 2203 Art/Sociology Bldg. Call x3841 for info.

University Theatre: Opening night for "The Marriage of Bette and Boo," by Christopher Durang, 8 p.m., Rudolph E. Pugliese Theatre, \$7 standard admission, \$ 5.50 seniors and students, production runs today-December 10. Call x2201 for info.*

Movies: "Dark Victory" and "Private Lives of Elizabeth and Essex," Hoff Theater. Call x2594 for info.*

29 WED

Employee Development Seminar: "Personnel Services Overview," Personnel Services Dept. staff, 9

a.m.-noon, Maryland Room, Marie Mount Hall. Call x4811 for info.

Research and Development Meeting: "AIDS Prevention on Campus," Mary Hoban, noon, 0106 Shoemaker Bldg. Call x2932 for info.

International Coffee Hour, 3-4:30 p.m., 0205 Jimenez Hall. Call x4925 for info.

CHPS Lecture: "Einstein & The Interpretation of Quantum Theory," Arthur Fine, Northwestern U., 4 p.m., 1202 Engineering Bldg. Call x2850 for info.

Germanic and Slavic Languages and Literatures Lecture: "German Studies in China: Traditions and Perspectives," Zhang Yushu, Beijing U., China, 4 p.m., Language House Auditorium. Call x4301 for info.

Dingman Center for Entrepreneurship Seminar: "Managing Growth: Picking the Winning Team," with several speakers, 6:30-9 p.m., Holiday Inn, Calverton, MD, \$35. Call x8080 for info.*

Architecture Lecture: "Local Truth and Local Modifiers," D. Kristine Woolsey, 7:30 p.m., Architecture Auditorium. Call x3427 for info.

University of Maryland Opera Program, featuring the premiere of *Amarantha*, by Roger Ames, Paulette Haupt, conductor, Leon Major, director, 7:30 p.m., Tawes Recital Hall, \$10 standard admission, \$7 students and seniors. Call x2803 for info.*

Improvisations Unlimited Dance Performance, with guest artist Beverly Blossom, through Dec. 2, 8 p.m., Studio Theater EE, \$8 and \$6. Call x4056 for info.

Movies: "Dark Victory" and "Private Lives of Elizabeth and Essex," Hoff Theater. Call x2594 for info.*

30 THU

Continuing Medical Education Lecture: "Update on Thrombolytic Therapy and Treatment of Acute Myocardial Infarction," Alan Wasserman, George Washington U. Hospital, 12:30-1:30 p.m., 3100E Health Center. Call x6751 for info.

Meteorology Seminar: "Orographic Versus Thermal Forcing at Stationary Waves," Isaac Held, GFDL, 3:30 p.m., 2114 Computer and Space Sciences Bldg. Call x2708 for info.

Office of the President and Women's Studies Forum: "Incorporating the New Scholarship on Women: The Difference It Makes," featuring Betty Schmitz, Stephen Brush, Lauri Grunig, Herbert Levitan, Alaka Wali, and Deborah Rosenfelt, 3:30-5 p.m., Tortuga B, Stamp Union. Call x4796 or x3841 for info.

University Community Concert: Takacs Quartet II, featuring Mozart's String Quartets in G Major, K. 387 and B-flat Major, K. 458, and Schubert's String Quartet

in A Minor, Op. 29 D. 804, 8 p.m., Center of Adult Education, \$15 standard admission, \$12.50 seniors and students. Call x6534 for info.*

Movie: "See No Evil, Hear No Evil," Hoff Theater. Call x2594 for info.*

1 FRI

Geology Seminar: "Sediment Sources and Sea Level Rise in the Chesapeake Bay Estuary," W. Andrew Marcus, 11 a.m., 0103 Hornbake Library. Call x3548 for info.

AAUW Lunch Bunch, noon Rossborough Inn. Call x3022 for info.

The Orpheus Quartet will perform Mendelssohn's Quartet in A Major, Op. 13, 12:30 p.m., Music Library. Call x6159 for info.

Mental Health Lunch 'N Learn Conference: "Bio-Psycho-Social-Educational Aspects of AIDS in College Students," David Baron, National Institute of Mental Health, 1-2 p.m., 3100E Health Center. Call x4925 for info.

Housing and Design Lecture: "Computers and the Future of Design," Terry Gips, 2 p.m., 1400 Marie Mount Hall. Call x1543 for info.

Literary Theories of Beginnings/Endings Lecture: "I Was There. Violence and Personal Testimony," Jean Franco, Columbia U., 2 p.m., 2309 Art/Soc. Bldg. Call x2511 or x4305 for info.

Music Lecture: "Mainframe to Midi: Compositional and Educational Implications of Music Technology Today," Richard Boulenger, 3 p.m., 2102 Tawes. Call x6669 for info.

University Theatre: "The Marriage of Bette and Boo," 8 p.m., see Nov. 28 for details.

Movies: "See No Evil, Hear No Evil" and "Barbarella," Hoff Theater. Call x2594 for info.*

2 SAT

University of Maryland Opera Program, featuring the East Coast premiere of *The Love of Don Perlimplin*, by Conrad Susa, Robert McCoy, conductor, Kelly Robinson, director, 7:30 p.m., Tawes Recital Hall, \$10 standard admission, \$7 students and seniors. Call x2803 for info.*

University Theatre: "The Marriage of Bette and Boo," 8 p.m., see Nov. 28 for details.

Movies: "See No Evil, Hear No Evil" and "Barbarella," Hoff Theater. Call x2594 for info.*

3 SUN

University of Maryland Opera Program, featuring *Amarantha*, by

Roger Ames, Paulette Haupt, conductor, Leon Major, director, 2 p.m., Tawes Recital Hall, \$10 standard admission, \$7 students and seniors. Call x2803 for info.*

University Theatre: "The Marriage of Bette and Boo," 2 & 8 p.m., see Nov. 28 for details.

Movie: "See No Evil, Hear No Evil," Hoff Theater. Call x2594 for info.*

4 MON

Distinguished Scholar-Teacher Program Forum, for faculty and students to present views to committee evaluating the program, 1-3 p.m., 0110 Hornbake Library. Call x2724 for info.

Computer Science Colloquium: "Knowledge-Based Graphical Interface Design," Steven Feiner, Columbia U., 4 p.m., 0111 Classroom Bldg. Call x4244 for info.

Horticulture Seminar: "Gene and Enzyme Regulation of Nitrogen Assimilation and Amino Acid Biosynthesis in Plants," Benjamin Matthews, USDA, 4 p.m., 0128B Holzapfel Hall. Call x3606 for info.

5 TUE

Zoology Seminar: "Social Behavior of Prairie Dogs," John Hoogland, noon, 1208 Zoo/Psych. Bldg. Call x3202 for info.

Physics Colloquium: "Modelling Sexually Transmitted Diseases," James A. Yorke, 4 p.m., 1410 Physics Bldg. Call x3512 for info.

International Affairs Lecture: "Dealing With China in Transition: Notes on a Recent Trip to China," Arthur W. Hummel, Jr., former U.S. ambassador to China, 4:15 p.m., Center of Adult Education. Call x3008 for info.

Design Alumni Chapter Meeting, 7 p.m., Design Conference Room, Marie Mount Hall. Call x5471 for info.

Guarneri String Quartet Open Rehearsal, 7 p.m., 2102 Tawes. Call x6669 for info.

Astronomy Talk/Slide Show: "Nemesis: The Sun's Companion," R. A. Bell, 8 p.m., Astronomy Observatory. Call x3001 for info.

Movies: "The Wizard of Oz" and "Babes in Arms," Hoff Theater. Call x2594 for info.*

* Admission charge for this event. All others are free.

Calendar information may be sent to John Fritz, 2101 Turner Laboratory or (via electronic mail) to jfritz@pres.umd.edu.

Lilly Teaching Fellows Program Offers All-Campus Lecture

On Monday, Nov. 20 at 3:30 p.m. in 2230 Art/Soc. Gerald Graff, John C. Shaffer Professor of Humanities and English at Northwestern University, will present a lecture that is the first campus-wide event in the new Lilly Teaching Fellows Program. Graff's lecture, "What to Do about the Education Crisis: Organize and Teach It," is part of the university's renewed attention to the links between research and undergraduate education on the College Park campus. All faculty, staff and students are welcome. Refreshments will be served in the Atrium following the lecture. Call 454-6231 for information.

Black History Month Calendar: A Call For Listings

Each year the Office of Campus Activities publishes a comprehensive calendar of Black History Month events to help publicize and promote all such programs. In order to meet printing deadlines, Campus Activities needs information about "who, what, where and when" by Dec. 15. Even if a program is still tentative as of that date, they would like to hear about it. Call 454-5605.

ARTS AT MARYLAND

Inaugural Season of Maryland Opera Studio Will Present Two World Premieres

An extraordinary series of three contemporary operas, two of them world premieres, will be featured during the inaugural season of the Maryland Opera Studio, Nov. 29-Dec. 10.

And the three American composers of these operas, Conrad Susa, Roger Ames and Lawrence Moss will be present for the performances. For Ames and Moss the productions will be world premiere performances of the new, fully-orchestrated versions of their operas.

All three operas are full-length, professionally produced and directed and will be performed with orchestra.

Ames, composer of *Amarantha*, was composer-in-residence for Silver Spring's Roundhouse Theater from 1974-78. His *Requiem for Unbelievers* was commissioned and premiered in 1985 by Montgomery County's Masterworks Chorus, of which he was founder and conductor. Ames currently is associate chair for music theater at the Hartt School of Music, University of Hartford, and music director of the Berkshire Ensemble for Theater Arts.

The second opera in the series, *The Queen and The Rebels*, was composed by Moss, whose music has been performed throughout the United States and

Europe and featured on numerous commercial recordings. Recipient of two Guggenheim awards, a Fulbright and four NEA grants, Moss is professor of composition in the music department.

Conrad Susa, composer of *The Love of Don Perlimplin*, has written nearly 200 incidental scores, three operas, music for Neil Simon's *The Good Doctor*, and many published vocal and choral compositions. Composer-in-residence at San Diego's Old Globe Theatre since 1959, Susa is also on the faculty at the San Francisco Conservatory of Music.

Directors for the three operas are Kelly Robinson, who has just finished a show with the Eugene O'Neil Theater Center in New York, Linda Brovsky, director of the Virginia Opera Company's recent production of *Il Trovatore*, and Leon Major, director of two productions for the current season of the Washington Opera and acting chair of the music department.

The Maryland Opera Studio is the music department's new training program for career-bound singers. All performances will be in Tawes Recital Hall:

- *Amarantha* on Nov. 29 at 7:30 p.m., Dec. 3 at 2 p.m. and Dec. 9 at 7:30 p.m.;
- *The Love of Don Perlimplin* on Dec.



Preparing for the Opera Studio's inaugural season are (standing from left) singers Melissa Allford and Yasuhiro Miura, stage director Linda Brovsky and singer Jean-Anne Teal. Seated at the piano (from left) are pianist and vocal coach Lamar Sims and composer and music professor Lawrence Moss.

2, 8 and 10, all at 7:30 p.m.; and
• *The Queen and The Rebels* on Dec. 7 at 7:30 p.m. and Dec. 10 at 2 p.m.
Single tickets are \$10 (\$7 students and

senior citizens); a three-performance subscription is \$27 (\$18 students and seniors). Call Stamp Union Ticket Office for information, 454-2803. ■

Piano Archives Concert Will Honor David Barnett

The International Piano Archives at Maryland (IPAM) will present a free concert of the music of pianist-composer David Barnett (1907-1985) in room 3216 Hornbake Library on Wednesday, Nov. 29 at 5:30 p.m. Barnett's papers, recordings, manuscripts and music scores have been given to IPAM by his widow Josephine and his son Jonathan.

Barnett's early career as a pianist began in Paris, where he studied with Berthe Bert and Alfred Cortot, who referred to him as "America's finest pianist." He also studied musical composition with Rosario Scarlero, Howard Brockway and Rubin Goldmark. In the 1930s he invented a revolutionary enharmonic keyboard, which was constructed for him by Steinway & Sons, and on which he performed a number of concerts, including one at Town Hall in February 1935.

In the late 1930s Barnett turned his attention more to teaching and writing, although he never ceased concertizing. He was on the faculty at Wellesley College and the New England Conservatory from 1935 to 1965 and was a member of the summer session faculty at Columbia Teachers College from 1946 to 1962. His book, *The Performance of Music, A Study in Terms of the Pianoforte* (1972), contained some of his most important thoughts about music and its significance in culture. He also wrote several other books and edited a journal, *The Fortnightly Musical Revue* (New York 1928).



Pianist-composer David Barnett (1907-1985)

The David Barnett Collection joins those of other important pianists and pianist-composers in the Archives such as Abram Chasins, Josef Hofmann, Erno Balogh, Gary Graffman and William Kapell.

Performers in the concert will be music graduate students Kenneth Boulton, James Criswell, Richard Glass, Elaine Phelps and Joy Ratliff. A reception will follow the concert. David Barnett's son, Jonathan Barnett, currently is a visiting professor in the School of Architecture. For information about the concert call 454-6903. ■

Guest Director Seeks Light Side of Durang Black Comedy

The Marriage of Bette and Boo

Despite the biting jokes and the desperate situations, Dorothy Neuman expects College Park audiences to find much appealing about the story of Bette and Boo.

Bette and Boo are a newly married couple who are the protagonists of Christopher Durang's play, *The Marriage of Bette and Boo*, which will be performed by University Theatre Nov. 28-30 and Dec. 1-3 in the Rudolph E. Pugliese Theatre. Neuman, a veteran director of Horizon and Source theaters in Washington, D.C., is guest director of the production.

The black comedy begins with Bette and Boo's marriage and follows their life together as they flounder in their relationships with their parents, siblings, child and each other. Constructed in an absurdist style, the play offers a sometimes bitter and despairing view of family life.

"It's important to grasp the style of the piece," says Neuman, who has directed in

the Washington area for more than a dozen years.

"There is a bitter, satirical side to the play. The characters can seem mean and petty if one dwells too much on that part of it. But there's another level at which the characters are attempting to work things out in their lives. That's where the connection needs to be drawn between the audience and the characters. We need to keep hoping that these people will be able to work things out," she says.

Staging modern and experimental works is a familiar activity for Neuman. She has directed some fifteen plays for the Source including *Top Girls*, *Still Life*, *Hello and Goodbye* and *Old Times* (for which she received a nomination for a Helen Hayes Award.) She is currently resident director at Horizons.

For ticket information call 454-2201. ■

Open Hearing Set to Consider Revisions of Distinguished Scholar-Teacher Program

The committee appointed by Dean Kathryn Mohrman to review the Distinguished Scholar-Teacher Program will hold an open hearing on Monday, Dec. 4 from 1-3 p.m. in the Honors Lounge, 0110 Hornbake Library. Proposals for revising the program will be discussed. All interested students and faculty are invited to attend and present their views to the committee. Written comments may also be sent to any member of the committee: chair Stephen Brush (History and IPST), Jane Clark (Phys. Ed.), Frank Hetrick (Microbio.), William Hodos (Psych.) and Carol Seefeldt (Hum. Dev.).

New Entries and Updates For Resource Directory Sought

Update request forms and questionnaires for new entries are available this month for listings in *Toward Closer Ties*, the UM System's annually published directory of resources. If you have a program that reaches out beyond the university and you would like to publicize your services, call Mary Ann Elliott at 454-3000 for forms.

CLOSE UP

Improved Grades Mean Success Not Only For Students, But Also For IED



Jerry Lewis consults with a student in his office at IED

Since most students enrolled in the Intensive Educational Development Program are first generation college students or come from low-income households, one might think they are at a disadvantage to succeed in college.

But Jerry Lewis, director of IED since 1988, knows that his students can't be measured by their grade point averages or SAT scores alone.

"Compared to other students, IED students may not have had the most competitive academic preparation," he says, "but we have seen many of them do very well with just the right support."

Indeed they have. In the most recent Summer Transitional Program, a specially designed program for marginally prepared students run by IED, all but four of the 83 students enrolled passed the program and are now enrolled as freshmen.

The overall performance for the 1989 STP improved dramatically, and, more importantly, IED students did as well or better than non-IED students in the same courses (see graph).

The Summer Transitional Program (STP) is just one of three strategies employed by the IED program to help students who don't fit the typical college profile. If successful in the STP, students then move into the Structured Freshman Year program that includes twelve hours of regular college courses and three hours of tutoring/study skills.

At the end of the Structured Freshman Year, students who have succeeded enter into an advisement and academic support program throughout their college career.

While it is good news for students when they make it to their sophomore, junior, and senior years, Lewis indicates that it is difficult to track them as IED students because by then they have

declared a major and are identified with specific departments or colleges.

A minor adjustment with the Offices of Records and Registration and Institutional Studies should allow IED to track students and better evaluate the program in the future.

While Lewis admits IED students need help in such things as study skills, time management and course selection, he is quick to point out that the IED program is not a remedial learning program.

"The IED program serves to bridge the gap between ability and development of appropriate skills to demonstrate knowledge," says Lewis. "These students can make it, not by re-learning things, but by applying skills to what they already know."

The entrance requirements for Intensive Educational Development may indicate the nature of most students' problems. Under federal laws that govern IED funding, students must be first generation college students, must come from a low-income household, or be handicapped. Because of the University's contributions, twenty-five per cent of IED students are not restricted by these laws, though Lewis certainly uses them as guidelines.

Last year, IED served 546 students and had a retention rate that was relatively better than all students university-wide (82.2 per cent after the freshman year). Begun in 1966, the IED program also is one of the longest standing organized development programs for low income and minority students in the nation.

But while Lewis is pleased by the success of IED students who start in the program, he is concerned by the low number of referrals of eligible students from faculty & academic departments. At the end of the fall semester in 1988, over 1,100 students in the university had a grade point average below 2.0.

"These students may not have been

identified as having the typical IED profile, but they need help," says Lewis. "They may have been used to getting A's or B's in high school, but in college it isn't the same and they can't use the same strategies."

Because of budget limitations and a restructuring of the IED program to include more than just tutoring (but for fewer students), Lewis also is concerned about how these students will get help, especially if they think IED is for people who can't cut it in college.

"We are the best way of getting them back on track," he says, "but for some it requires too much of an adjustment to their self-image. Sometimes professors' perception of IED also can influence

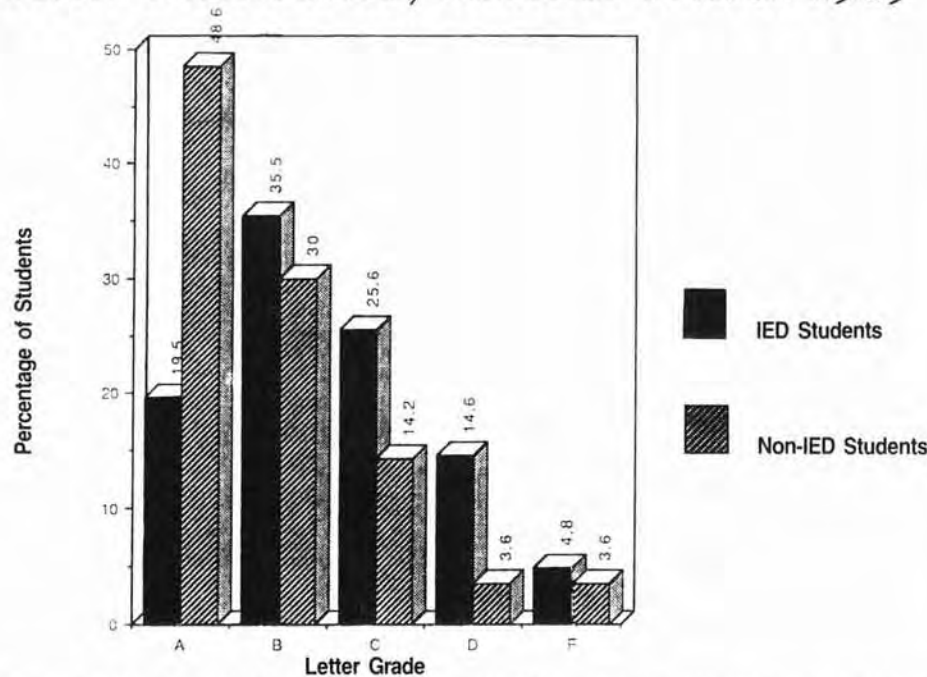
what the student is told about our facility."

Since he became acting director of IED in 1988, Lewis, who was director of the Upward Bound program at Maryland from 1972 to 1988, has been a strong advocate for equal access and opportunities to higher education for under-prepared young people.

He believes that as long as IED students do well and learn skills that help them compete with other students, the program, which may soon be going through a name change, will continue to be a success and become an even greater component of the University's retention efforts. ■

—John Fritz

Grade Distribution, Summer School 1989



This graph compares the academic performance of IED students with non-IED students for summer school 1989. Non-IED students are defined as regularly admitted undergraduates who took the same classes as the IED students.

From Upward Bound to Law School

Nicole Thorpe, 22, first met Jerry Lewis when she was a teenager in the Upward Bound Program that he directed here before moving to IED. Since that time, Thorpe, who is the first in her family to go to college, went through Upward Bound and the STP, the Structured Freshman Year and informal advising and is now a senior criminal justice major.

After graduation, she plans to take a year off to work, perhaps in her current job as an office assistant in the Upward Bound Program office, and then enter law school somewhere in the area.

"I never would have made it in college if it hadn't been for the IED program," says Thorpe. "It's a very good program, and I think every entering freshman should be in it."

Like some other students, Thorpe recalls she wasn't sure she wanted to be in the IED program. But once she en-

rolled, she realized how structured and personal the learning environment was and is now proud to be an IED student.

"You can't just get passed along in IED," she says. "Because the tutoring and structured program are so personal, you have to know one lesson before you can move onto the next one. As a result, I have a lot more confidence in what I've learned."

For Lewis, who wants to expand his program so that students can learn to make preparations for graduate school, Thorpe is an excellent example of someone who has overcome great odds and succeeded in college.

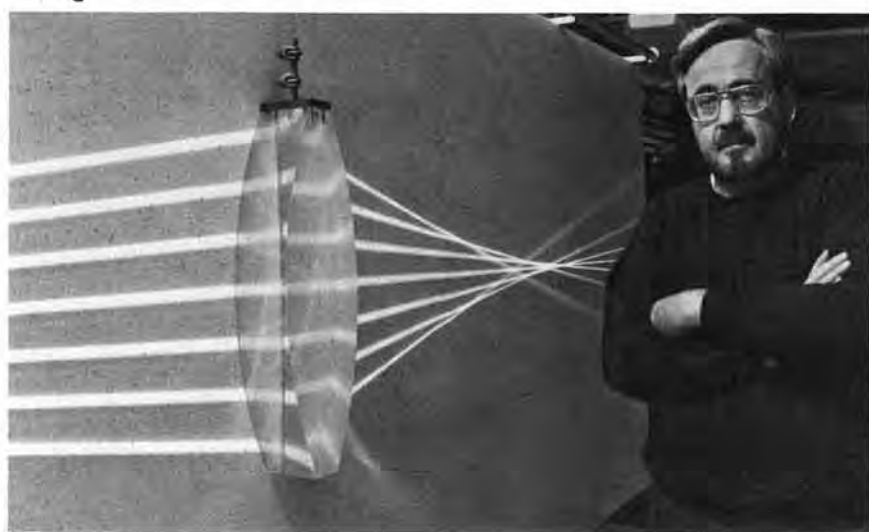
"I didn't think I could make it," says Thorpe, who, along with her mother, and former director, is very proud of her success. "I'm glad programs like Upward Bound and IED were available for me here." ■

University of Kentucky Honors Kirwan

President William E. Kirwan was selected recently for membership in the University of Kentucky's Hall of Distinguished Alumni. To be named to the hall of fame, a person must be a graduate of the university and have achieved national or international prominence in his or her field of endeavor. Kirwan is the son of Albert D. Kirwan, who served as president of the University of Kentucky from 1968-1969. They are the only father and son team in the university's Hall of Distinguished Alumni.

COLLEGE PARK PEOPLE

Physics is Phun



Richard E. Berg

Richard E. Berg has a basement full of toys. About 1,200 of them. All are experiments in physics, designed to illustrate and popularize the science and make it approachable to students of all ages, children and adults, anyone trying to understand the physical world. After all, "Physics is fun," says Berg.

He is the supervisor of the Teaching Support Service in the Dept. of Physics and Astronomy. Since 1982, Berg has run the popular "Physics is Phun" lecture/demonstration program at the university. This free event, provided in two-night programs four times a year, has the physical power to draw 500 people per night to the Physics Department lecture halls, whenever there is a demonstration by Berg.

The "Physics is Phun" program began as a potpourri of odd physics demonstrations used by Berg to illustrate physics principles during road shows to local elementary schools.

"We realized we had a good thing," says Berg. "The shows were very popular with the kids so we decided to open the program on campus to everybody." Berg's first "Physics is Phun" demonstration drew 250 to 300 viewers. Friends told friends about the wonderful way Berg explained physics, and the program grew. Berg expanded his demonstration subjects and added an extra night for each program theme.

"We have people standing in the aisles now," he says. And the audience includes a variety of people—families, kids and their grandparents, professors, and more. Often, local teachers arrive looking for new ways to explain science.

As his audience has grown, Berg has expanded his inventory of demonstrations. Today, his 1,200 experiments cover such topics as physics of sound, light, electricity, energy and motion. Berg has even presented a program on illusions, complete with a headless woman.

Despite statistics that show science knowledge is declining in the United States, Berg says his demonstrations are popular because people are actually very interested in science. "I try to spark peoples' interest in physics," Berg says. "I try to make it fun and entertaining. Science doesn't have to be dull. Hopefully, some of our younger people will pur-

sue greater scientific knowledge because of what they see in our demonstrations."

At one of his programs, "The Physics IQ Test," Berg makes sure that his audience has a chance to participate in the experiments by guessing what effects will be the result of an action. The test consists of 25 counter-intuitive questions that the audience is asked to answer. Berg then demonstrates each experiment, and people have a chance to see how the physical world really works. "Science makes you think," he says.

Before each program, Berg and his staff open the lecture halls early and allow visitors to play with some of his



Richard E. Berg as seen by former student Tom Haman.

toys. It's a warm-up for the show to follow.

"I get a lot of help from our students in setting up the experiments and running the program," Berg says. "We motivate everybody with a pizza party."

Berg believes that a child-like curiosity about the physical world should stay with people throughout their lives. It was Berg's own children who started him thinking about ways to demonstrate physics principles in an interesting way.

"They would ask me, 'Daddy, why is this?' and 'How is that?' and I would say 'It's physics.' I developed a whole program to answer questions about lightning, eclipses, rainbows, you name it." Berg eventually added demonstrations to explain even the more complex questions of radiation and nuclear energy, relativity and quantum effects. And he has explained much of it with items as simple as cartoons.

Berg also is responsible for supplying technical support to other physics lecturers on campus. Among his demonstrations are about 200 movies, videodisks and video tapes, audio cassettes and disks, and several thousand slides. During a typical week during a semester, he and his staff provide more than 200 demonstrations for other professors' classes.

Berg began his career as a music major

at Manchester College with plans someday to become a high school band director. He had taken several physics and math courses along the way and he eventually went to graduate school in physics at Michigan State University. He earned his Ph.D in 1966, then came to the University of Maryland. In 1982 he combined his loves of physics and music in his textbook, "The Physics of Sound," published by Prentice-Hall.

Berg plays the piano and clarinet, and Renaissance and baroque instruments—the harpsichord, recorders, shawms, the viol. He is a member of the campus Collegium Musicum.

In September Berg's unit purchased a new "Physics is Phun" road show van in order to take more demonstrations to area schools. "The van is helping us increase the service aspect of the university to the community," he says. "I've already given a number of talks and demonstrations to students in area schools, and I've led workshops for area science teachers. We're helping people see how the laws of physics apply to everyday life."

Berg's next "Physics is Phun" lecture-demonstration will be "The Sounds of Science," on January 11 and 12. Doors open by 7 p.m. both nights and the program begins at 7:30. Call 454-3520. ■

—Fariss Samarrai

Bart Hipple: Food for Thought

"It is really great to work here and to go to school here, too. In my other jobs there was the work and then there was everything else. Now the two overlap."

That's how **Bart Hipple** characterizes his relationship with the university. By day he is food service manager of the newly renovated Gazebo, the South Campus Dining Hall eatery that serves up the choice of 11 different food shops to hungry members of the campus community. By night he is a graduate student in the College of Business and Management where he is pursuing his MBA degree.

Hipple, a food administrator III, is responsible for overseeing the Gazebo's food serving area and a staff of 49 workers who report to him. His day usually begins at 10 a.m. and can sometimes run past 7:30 p.m. Long days are the rule, not the exception, in the food service business, he notes. He supervises the line servers and the process of setting up for lunch and dinner each day. During meal time, he is on the floor ensuring the operation moves smoothly.

Each day some 2,800 students, faculty, staff and occasional visitors eat at the Gazebo. Especially popular, according to Hipple, is the taco boat, the grilled chicken breasts and, to nobody's real surprise, the pizza.

Hipple earned his bachelor's degree in liberal arts from Penn State University in



Bart Hipple

1978 and has been in the food service industry for more than a dozen years. While at Penn, he was an assistant manager at a country club restaurant and found that he enjoyed the work.

Since then he has been the general manager of the Magic Pan Restaurant at Montgomery Mall and the food production manager for Suburban Hospital. He has also worked in the food service industry in Houston.

A native of Concordville, Pennsylvania, Hipple, his wife and two daughters have lived in Hyattsville for the last five and a half years.

Although his is a demanding schedule, Hipple says he is impressed by both the university's food service staff who, he says, "have been very supportive of me," and the MBA program which, he says, "is very good and very tough." ■

Forum Will Discuss New Scholarship on Women

The Office of the President and the Women's Studies Program will present a forum on "Incorporating the New Scholarship on Women: The Difference It Makes" on Thursday, Nov. 30 from 3:30 to 5 p.m. in Tortuga B, Stamp Student Union. Featured presenters will be Stephen Brush, Lauri Grunig, Herbert Levitan, Alaka Wali, and Deborah Rosenfelt, all of whom participated in the 1989 summer curriculum transformation institute. They will report on how they have made changes in courses as a result of their summer work. The session is designed primarily for faculty members who are interested in applying to the 1990 institute, but all are welcome. The forum will be introduced by Betty Schmitz and moderated by Deborah Rosenfelt. Call 454-4702 for information.

Women's Studies Program Seeks Proposals for "Women in Diaspora" Annual Research Forum

Proposals are being sought for the Women's and Afro-American Studies Programs co-sponsored Research Forum on "Women in Diaspora," scheduled for Feb. 16, 1990. Presentations should explore how the experience of dispersion, exile and relocation has affected aspects of women's lives, including health, work, family and community relations, access to power, and themes and forms of their culture and art. Proposals should include a title and a 1-2 page abstract describing the method, focus and conclusions of the presentation. The proposal deadline is Dec. 15. Call 454-3841 for more information.

Letter to the Editor

Dear Editor:

Outlook published the list of those who received tenure and full professor this past year. Unlike 1987 it did not publish the names of those who served on the campus committee. Is it policy to keep this secret still? If not, I would be interested in knowing who served.

Outlook is excellent. Many people would like to see it expanded.

Regards,
Monique Clague, Dept. of Education Policy and Planning

The members of the Appointment, Promotion and Tenure Committee for 1988-89 were: Ralph Bennett (Arch.), Rachel Dardis (Tex. Con. Eco.), Robert Kolker (Com. Arts/Tht.), Lorin Krusberg (Boty.), James Liesener (Lib. Info. Serv.), Colin Loftin (Crim. Just.), Jan Sengers (Inst. Phys. Sci. Tech.), and ex officio: Irwin Goldstein, (Acad. Aff./Prov.), Jacob Goldhaber (Grad. Stud.), and Kathryn Mohrman (Undergrad. Stud.).

Outlook welcomes letters from readers and tries to be responsive to them.

Kotz Elected a Royal Fellow

Sam Kotz, a professor of statistics in the College of Business and Management, has been elected a Fellow of the Royal Statistical Society in London. Kotz is the co-editor of the nine-volume *Encyclopedia of Statistical Sciences*, an exhaustive and practical coverage of statistical methods.

Zwanzig Becomes Professor Emeritus

President William E. Kirwan has approved the appointment of Robert Zwanzig, distinguished professor in the Institute for Physical Science and Technology, to professor emeritus in the institute. Zwanzig joins other recently selected emeriti professors, Morris Decker, Vagn Flyger, Lamar Harris, Graciela Nemes, Moreland Perkins, Barbara Bergmann, Robert Harper, Avron Douglas, William Erickson, Alan Faller, Richard Good, Martin Pearl, Joseph Weber, Albert Gomezplata, John Martin, John Corliss and associate dean emeritus Raymond Anderson, all named earlier this year.

Economics Student Wins Essay Contest

Wiley Hodges, an undergraduate economics major, won the \$5,000 first prize award in the Americanism Educational League's 1989 Milton Friedman Essay Contest for college students. Hodges' essay won out over 4,200 others on the topic "Immigration Policy and the Welfare State." Julian Simon of the College of Business and Management was faculty advisor.

Senate Approves Resolution Opposing Proposed NIH Research Guidelines

The Campus Senate approved a resolution critical of proposed National Institutes of Health guidelines on conflict of interest in research at its Nov. 13 meeting.

The group's Adjunct Committee on Research recommended the resolution in response to proposed NIH guidelines on conflict of interest in research for the development of new drugs. The proposed guidelines would require university researchers to provide financial disclosure statements before receiving NIH grants for drug research.

Maurine Beasley, professor of journalism and a committee member, described the proposed guidelines as unnecessary legislation that would add to governmental bureaucracy and result in an inappropriate invasion of privacy.

The resolution passed unanimously. It will be sent to NIH during the period set aside for public comment on the guidelines.

In other business, the Senate approved name changes for the College of Physical Education, Recreation, and Health and the Department of Physical Education. As part of the proposal, the college would be newly named as the College of Health and Human Performance, while the department would become the Department of Kinesiology.

John Burt, dean of physical education, recreation and health, said the proposed names are more contemporary than the old ones. ■

New Use of Space



The Libraries and the Computer Science Center are currently evaluating a new kind of work station furniture for use in a future microcomputer lab planned for Hornbake Library. A test model is temporarily in the Hornbake reference room. The two-level eight-person work stations are being reviewed for such features as adequate work surface, individual lighting, heat and arrangement of equipment. Libraries staff are interested in receiving reactions to these new study carrels from student, faculty and staff, and urge users to complete an evaluation form at the stations. For more information, call 454-5977.

Technology Extension Service Wins Two Awards

The Technology Extension Service (TES) of the university's Engineering Research Center has won second and third place awards for assistance to two Maryland manufacturing firms in a competition sponsored by the National Association of Management and Technical Assistance Center.

TES took second place for its help in the conception, design, installation and shakedown of a plant to manufacture environmentally safe biological controls for gypsy moth management. Charles Carr, manager of the TES Southern Regional Office in Annapolis, developed a sophisticated, continuous manufacturing process that can be applied to the manufacture of other biological controls. The new process is expected to save the company more than \$1 million annually.

The third place award was for a productivity assessment of a plant that manufactures custom pipe organs for the domestic and international markets. Although the firm had not been profitable for several years, new owners have applied the productivity assessment as the foundation for turning the company around and saving jobs.

Frank Moderacki, who manages TES' Western Regional Office in Frostburg, was project leader and Oliver Amundsen, a member of the university's Center for Quality and Productivity, provided expertise in productivity evaluation.

This is the third year that TES has been recognized for its projects by winning in the NAMTAC competition. ■

Toll Appointment

continued from page 1

(NORDITA), Nils Bohr Institute in Denmark, and the Institute of Theoretical Physics of the University of Lund in Sweden. His research papers have appeared in American, Danish, Italian and Swiss scientific journals and he is a Fellow of the American Physical Society. ■

Attention

The next issue of *Outlook* will be published on Monday, Dec. 4.